

	<b>Mobitex</b>	<b>GPRS</b>
<b>Dedicated data</b>	Mobitex was designed from the start and is optimized for the transmission of packet data and the short, frequent data exchanges typical in a transportation information system.	GPRS is an overlay on the GSM network that allows packet-switched data transmissions to share available time slots with voice traffic. Speech and data traffic to or from a terminal cannot take place at the same time.
<b>Guaranteed Service</b>	There is no risk that other types of traffic, such as voice, may temporarily be given higher priority. A single Mobitex channel can accommodate hundreds of terminals simultaneously. Hot spots where there are 20 or more vehicles and dozens of information signs using the system can be easily served.	Operators decide how many time slots will be allocated to data. Actual throughput for data depends on slot availability at a specific time and place. There is no guarantee that data slots will be available when needed, particularly in busy locations where many people are making voice calls. Voice has priority over data.
<b>Always on and instantly available</b>	Mobitex terminals are always on-line, and the network is instantly available.	In GPRS, the user is only online after the terminal has requested a session and received acknowledgement from the network.
<b>Push functionality</b>	Data can be pushed ("send and forget") to mobile terminals at anytime. Mobitex also supports push functionality to pre-defined user groups (e.g. all buses, all trains, all signs).	The mobile terminal must initiate a connection and set up a session before data can be accessed. The host system cannot initiate a session. SMS can be used as a work-around whereby the host sends an SMS asking the mobile terminal to initiate a session. SMS latency can be long.
<b>Roaming and information transfer on the move</b>	In Mobitex, roaming is initiated by the terminal. Radio cells are also larger, meaning that roaming is less frequent. Information transfer while in motion does not break down.	In GPRS, the network initiates roaming. Radio cells are also much smaller, meaning that roaming is more frequent. Handover from cell to cell is not guaranteed, due to contention with voice.
<b>Guaranteed Delivery</b>	With its intelligent network architecture (including positive acknowledgement and store-and-forward functionality) and redundancy on all network levels, Mobitex can guarantee 100% packet accountability.	GPRS cannot guarantee delivery or packet accountability. Functionality to guarantee delivery must be implemented in the application.
<b>IP addresses</b>	Each device on the network has a permanent address that can be associated with an IP address for use by the application.	IP addresses are assigned dynamically and may even change as the terminal moves between cells. This significantly complicates the application and

		makes it difficult to associate IP addresses with specific terminals and vehicles.
<b>Security</b>	Mobitex provides an extremely high level of security and has been certified for use by police and rescue services in many countries.	GPRS is essentially a PSTN service for which users are responsible for their own Internet-level security. It is not built into the network.
<b>Device Availability</b>	A wide range of Mobitex devices are available for both horizontal and vertical applications featuring high performance, excellent battery life and attractive prices.	A variety of telephones and PDAs are becoming available for the horizontal market, but few devices are available for vertical applications. Price/performance data still uncertain.
<b>Pricing</b>	Pricing for public Mobitex data services are the volume of data exchanged with no additional connection or session charges. Mobitex is also an extremely cost-effective system, offering the lowest per-subscribers costs of any available technology.	Public GPRS operators continue to experiment with pricing models trying to find the best mix for a heterogeneous market consisting of consumers and business users. Current prices thus provide absolutely no indication of what future prices will be.
<b>Telemetry and device-to-device communications</b>	Mobitex is highly suitable for automatic devices and telemetry applications involving remote monitoring and control and device to-device communications.	GPRS has more limited options for automatic devices and telemetry, and the lack of devices for vertical applications compounds the problem.
<b>Future-proof</b>	Mobitex technology is constantly being enhanced to address new market segments and opportunities.	As a 2.5G technology, GPRS is a step on the way to 3G, meaning that its future viability remains in doubt. The standard is still unstable, thus creating obstacles for terminal manufacturers, network operators and application developers.